

- 1 -

## SEQUENCE LISTING

&lt;110&gt; Bayer AG, BHC

&lt;120&gt; Diagnostics and Therapeutics for Diseases Associated with G-Protein Coupled Receptor AdipoR1 (AdipoR1)

&lt;130&gt; Le A 36 901

&lt;160&gt; 5

&lt;170&gt; PatentIn version 3.1

&lt;210&gt; 1

&lt;211&gt; 2100

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1

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&lt;210&gt; 2

&lt;211&gt; 375

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

- 2 -

&lt;400&gt; 2

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20      25      30
Leu Leu Glu Glu Lys Gly Lys Arg Val Ile Ala Asn Pro Pro Lys Ala
35      40      45
Glu Glu Glu Gln Thr Cys Pro Val Pro Gln Glu Glu Glu Glu Val
50      55      60
Arg Val Leu Thr Leu Pro Leu Gln Ala His His Ala Met Glu Lys Met
65      70      75      80
Glu Glu Phe Val Tyr Lys Val Trp Glu Gly Arg Trp Arg Val Ile Pro
85      90      95
Tyr Asp Val Leu Pro Asp Trp Leu Lys Asp Asn Asp Tyr Leu Leu His
100      105      110
Gly His Arg Pro Pro Met Pro Ser Phe Arg Ala Cys Phe Lys Ser Ile
115      120      125
Phe Arg Ile His Thr Glu Thr Gly Asn Ile Trp Thr His Leu Leu Gly
130      135      140
Phe Val Leu Phe Leu Phe Leu Gly Ile Leu Thr Met Leu Arg Pro Asn
145      150      155      160
Met Tyr Phe Met Ala Pro Leu Gln Glu Lys Val Val Phe Gly Met Phe
165      170      175
Phe Leu Gly Ala Val Leu Cys Leu Ser Phe Ser Trp Leu Phe His Thr
180      185      190
Val Tyr Cys His Ser Glu Lys Val Ser Arg Thr Phe Ser Lys Leu Asp
195      200      205
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Tyr Tyr Ser Phe Tyr Cys Ser Pro Gln Pro Arg Leu Ile Tyr Leu Ser
225      230      235      240
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245      250      255
Arg Phe Ala Thr Pro Lys His Arg Gln Thr Arg Ala Gly Val Phe Leu
260      265      270
Gly Leu Gly Leu Ser Gly Val Val Pro Thr Met His Phe Thr Ile Ala
275      280      285
Glu Gly Phe Val Lys Ala Thr Thr Val Gly Gln Met Gly Trp Phe Phe
290      295      300
Leu Met Ala Val Met Tyr Ile Thr Gly Ala Gly Leu Tyr Ala Ala Arg
305      310      315      320
Ile Pro Glu Arg Phe Phe Pro Gly Lys Phe Asp Ile Trp Phe Gln Ser
325      330      335
His Gln Ile Phe His Val Leu Val Val Ala Ala Ala Phe Val His Phe
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&lt;210&gt; 3

&lt;211&gt; 19

&lt;212&gt; DNA

&lt;213&gt; artificial sequence

&lt;220&gt;

&lt;223&gt; forward primer

&lt;400&gt; 3

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&lt;210&gt; 4

&lt;211&gt; 19

&lt;212&gt; DNA

- 3 -

<213> artificial sequence

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<223> reverse primer

<400> 4

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<213> artificial sequence

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<223> probe

<400> 5

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